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1 Terminological variants for document selection and question/answer matching

Olivier Ferret, Brigitte Grau, Martine Hurault-Plantet, Gabriel Illouz, Christian Jacquemin
July 2001 Proceedings of the workshop on ARABIC language processing: status and prospects - Volume 12, Volume 12

Publisher: Association for Computational Linguistics

Full text available: [pdf\(166.97 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

Answering precise questions requires applying Natural Language techniques in order to locate the answers inside retrieved documents. The QALC system, presented in this paper, participated to the Question Answering track of the TREC8 and TREC9 evaluations. ...

2 Non-uniform key distribution and address calculation



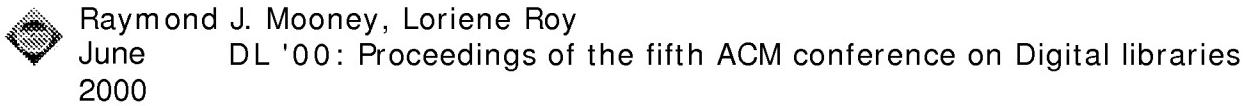
Michael E. Tarter, Richard A. Kronmal
July Communications of the ACM, Volume 9 Issue 7
1966

Publisher: ACM

Full text available: pdf(654.43 KB)

Additional Information: [full citation](#)

3 Content-based book recommending using learning for text categorization



Raymond J. Mooney, Loriene Roy
June DL '00: Proceedings of the fifth ACM conference on Digital libraries
2000

Publisher: ACM

Full text available: pdf(143.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Recommender systems improve access to relevant products and information by making personalized suggestions based on previous examples of a user's likes and dislikes. Most existing recommender systems use collaborative filtering methods that base recommendations ...

Keywords: information filtering, machine learning, recommender systems, text categorization

4 Spatial and temporal content-based access to hypervideo databases

Haitao Jiang, Ahmed K. Elmagarmid
December The VLDB Journal — The International Journal on Very Large Data
1998 Bases, Volume 7 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(241.17 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Providing content-based video query, retrieval and browsing is the most important goal of a video database management system (VDBMS). Video data is unique not only in terms of its spatial and temporal characteristics, but also in the semantic associations ...

Keywords: Ccontent-based query, Hot object, Hypervideo, Spatial and temporal constraint, Video database

5 Integrating the document object model with hyperlinks for enhanced topic distillation and information extraction

 Soumen Chakrabarti
April 2001 WWW '01: Proceedings of the 10th international conference on World Wide Web
Publisher: ACM

Full text available:  pdf(369.63 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Keywords: document object model, minimum description length principle, segmentation, topic distillation

6 Automatic verb classification based on statistical distributions of argument structure

Paola Merlo, Suzanne Stevenson
September 2001 Computational Linguistics, Volume 27 Issue 3

Publisher: MIT Press

Full text available:  pdf(341.42 KB)  Publisher Site

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Automatic acquisition of lexical knowledge is critical to a wide range of natural language processing tasks. Especially important is knowledge about verbs, which are the primary source of relational information in a sentence---the predicate-argument ...

7 Information retrieval in technical documents: from the user's query to the information-unit tagging

 Céline Paganelli, Evelyne Mounier
October 2003 SIGDOC '03: Proceedings of the 21st annual international conference on Documentation
Publisher: ACM

Full text available:  pdf(220.07 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Information retrieval systems within voluminous textual documents raise specific problems, such as the choice of the retrieval-unit and the relevance of each response. For the selection of the retrieval-unit, several solutions have been proposed, such ...

Keywords: expert users, information retrieval systems, technical documents

8 Extracting structural paraphrases from aligned monolingual corpora

Ali Ibrahim, Boris Katz, Jimmy Lin

July Proceedings of the second international workshop on Paraphrasing -
2003 Volume 16, Volume 16

Publisher: Association for Computational Linguistics

Full text available:  pdf(95.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

We present an approach for automatically learning paraphrases from aligned monolingual corpora. Our algorithm works by generalizing the syntactic paths between corresponding anchors in aligned sentence pairs. Compared to previous work, structural paraphrases ...

9 An integrated color-spatial approach to content-based image retrieval



Wynne Hsu, S. T. Chua, H. H. Pung

January MULTIMEDIA '95: Proceedings of the third ACM international conference
1995 on Multimedia

Publisher: ACM

Full text available:  htm(38.02 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Keywords: color retrieval, content-based retrieval, image segmentation, spatial retrieval

10 Word frequency distributions

Geoffrey Sampson

December Computational Linguistics, Volume 28 Issue 4
2002

Publisher: MIT Press

Full text available:  pdf(290.07 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

11 Automatic document metadata extraction using support vector machines

Hui Han, C. Lee Giles, Eren Manavoglu, Hongyuan Zha, Zhenyue Zhang, Edward A. Fox
May JCDL '03: Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital
2003 libraries

Publisher: IEEE Computer Society

Full text available:  pdf(154.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Automatic metadata generation provides scalability and usability for digital libraries and their collections. Machine learning methods offer robust and adaptable automatic metadata extraction. We describe a Support Vector Machine classification-based ...

12 A framework for specifying explicit bias for revision of approximate information extraction rules

Ronen Feldman, Yair Liberzon, Binyamin Rosenfeld, Jonathan Schler, Jonathan Stoppi
August KDD '00: Proceedings of the sixth ACM SIGKDD international conference on
2000 Knowledge discovery and data mining

Publisher: ACM

Full text available:  pdf(173.46 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Keywords: information extraction, text mining, theory revision, user guided revision

13 Hierarchical indexing and document matching in BoW

Maayan Geffet, Dror G. Feitelson
January JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital
2001 libraries

Publisher: ACM

Full text available:  pdf(434.24 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

BoW is an on-line bibliographical repository based on a hierarchical concept index to which entries are linked. Searching in the repository should therefore return matching topics from the hierarchy, rather than just a list of entries. Likewise, when ...

14 Document clustering based on non-negative matrix factorization



Wei Xu, Xin Liu, Yihong Gong

July 2003 SI GI R '03: Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval

Publisher: ACM

Full text available: pdf(216.50

KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#)

In this paper, we propose a novel document clustering method based on the non-negative factorization of the term-document matrix of the given document corpus. In the latent semantic space derived by the non-negative matrix factorization (NMF), each axis ...

Keywords: document clustering, non-negative matrix factorization

15 A solution to the distribution and standardization of multimedia medical data in E-Health

Jinman Kim, David Dagan Feng, Tom Weidong Cai, Stefan Eberl

May 2001 VIP '01: Proceedings of the Pan-Sydney area workshop on Visual information processing - Volume 11, Volume 11

Publisher: Australian Computer Society, Inc.

Full text available: pdf(201.75

KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Electronic Patient Record (EPR) is an area of research in E-Health that is progressing rapidly due to its demand and rapid growth of Information Technology used in the Health Management Organizations (HMO). Benefits of having EPR are the timely access ...

Keywords: E-health, distribution, electronic patient record (EPR)

16 Forwarding in a content-based network



Antonio Carzaniga, Alexander L. Wolf

August 2003 SI GCOMM '03: Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM

Full text available: pdf(254.59

KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#)

This paper presents an algorithm for content-based forwarding, an essential function in content-based networking. Unlike in traditional address-based unicast or multicast networks, where messages are given explicit destination addresses, the movement ...

Keywords: content-based network, forwarding, matching, overlay, publish/subscribe

17 Extraction of feature subspaces for content-based retrieval using relevance feedback



Zhong Su, Stan Li, Hongjiang Zhang

October 2001 MULTIMEDIA '01: Proceedings of the ninth ACM international conference on Multimedia

Publisher: ACM

Full text available: pdf(3.00 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

In the past few years, relevance feedback (RF) has been used as an effective solution for content-based image retrieval (CBIR). Although effective, the RF-CBIR framework does not address the issue of feature extraction for dimension reduction and noise ...

Keywords: Bayesian estimation, content-based image retrieval (CBIR), principal component analysis (PCA), relevance feedback

18 An algorithm for retrieving indexed documents and its application



Allan J. Humphery, Shelby L. Brumelle

July 1966 Communications of the ACM, Volume 9 Issue 7

Publisher: ACM

Full text available: pdf(654.43 KB)

Additional Information: [full citation](#)

19 MORE for less: model recovery from visual interfaces for multi-device application design



Yves Gaeremynck, Lawrence D. Bergman, Tessa Lau

January 2003 IUI '03: Proceedings of the 8th international conference on Intelligent user interfaces

Publisher: ACM

Full text available: pdf(307.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

An emerging approach to multi-device application development requires developers to build an abstract semantic model that is translated into specific implementations for web browsers, PDAs, voice systems and other user interfaces. Specifying abstract ...

Keywords: model recovery, multi-device application development, reverse engineering, rule systems, semantic modeling

20 Cross-lingual C*ST*RD: English access to Hindi information

 Anton Leuski, Chin-Yew Lin, Liang Zhou, Ulrich Germann, Franz Josef Och, Eduard Hovy
September 2003 ACM Transactions on Asian Language Information Processing (TALIP), Volume 2 Issue 3

Publisher: ACM

Full text available:  pdf(210.61 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present C* ST* RD, a cross-language information delivery system that supports cross-language information retrieval, information space visualization and navigation, machine translation, and text summarization of single documents and clusters of documents. ...

Keywords: Cross-language information retrieval, Hindi-to-English machine translation, headline generation, information retrieval and information space navigation, single- and multi-document text summarization

Results 1 - 20 of 216 Result page: 1 [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

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